

		INDUCTION MOTOR DATA SHEET			PROJECT No. 2649										
					MODEL No. 24EF-FFEB										
					L-SPEC No. D1ML20602										
SHEET 1 OF 1		CUSTOMER <input type="text"/>													
FOR INFORMATION		JOB NO. <input type="text"/>		ITEM No. <input type="text"/>											
SERVICE <input type="text"/>		SITE <input type="text"/>		QUANTITY <input type="text"/>											
GENERAL DATA			PERFORMANCE DATA												
FRAME No.		225S	OUTPUT		45 kW										
TYPE		EF-F	POLES		6 P										
ENCLOSURE		TE	ROTOR TYPE		SQUIRREL CAGE										
COOLING METHOD		FC(IC411)	STARTING METHOD		DIRECT ON LINE										
INSULATION CLASS		F CLASS	PHASE		3 PHASE										
TEMP. RISE AT FULL LOAD			FREQUENCY		60 Hz										
RES. METHOD		80 K (at S.F.:1.0)	SPEED (AT FULL LOAD)		1190 r/min										
RATING		S1	PRIMARY												
LOCATION		INDOOR	VOLTAGE		380 V										
ALTITUDE		LESS THAN 1000 m	NO LOAD CURRENT		44.4 A										
HUMIDITY		LESS THAN 80 %	FULL LOAD CURRENT		91.6 A										
AMBIENT TEMP.		40 °C	LOCKED-ROTOR CURRENT		670 %										
EXPLOSION PROOF TYPE		Ex d IIB T4	EFFICIENCY												
MOUNTING		V1	AT 1/2 LOAD		91.5 %										
BEARING TYPE		ANTI-FRICTION	AT 3/4 LOAD		93.5 %										
NDE/DE BRG. No.		6312C3 / 6314C3	AT FULL LOAD		94.5 %										
BRG. LUBRICATION		MOBIL Polyrex EM	POWER FACTOR												
PROTECTION GRADE		IP55	AT 1/2 LOAD		64.0 %										
SERVICE FACTOR		1.0	AT 3/4 LOAD		74.0 %										
DRIVE		DIRECT COUPLED	AT FULL LOAD		79.0 %										
SHAFT			TORQUE												
EXTENSION		SINGLE	FULL LOAD		36.8 kg-m										
EXTERNAL THRUST		N/A			361.0 N-m										
NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)			LOCKED ROTOR		120 %										
NO-LOAD		N/A	BREAKDOWN		270 %										
VIBRATION		N/A	MOTOR GD ²		4.492 kg-m ²										
NUMBER OF CONSECUTIVE STARTS		N/A	MAX LOAD GD ² AT MOTOR SHAFT		334.8 kg-m ²										
ROTATION(VIEWED FROM DE)		C.C.W	MOTOR APPROX. WEIGHT		505 kg										
			PAINTING		0.5PB 3.2/4.4 (URETHANE)										
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS												
TEMPERATURE DETECTOR			OUTLINE DIMENSION		ES1AS16716										
WINDING		NO	CONDUIT BOX & COVER		ES1B100917										
TYPE		-	SPEED-TORQUE & CURRENT CURVE		D1ML20602										
BEARING		NO	THERMAL LIMIT & TIME-CURRENT CURVE		D1ML20602										
TYPE		-	LOAD vs POWER FACTOR & EFFICIENCY		D1ML20602										
SPACE HEATER		NO	<REMARKS> 1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE. 2. PREMIUM EFFICIENCY TYPE MOTOR												
RATING		-													
APPLICATION STANDARDS		IEC60034-1, ISO 3746	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>REV. NO</td> <td>DATE</td> <td>PREPARED</td> <td>CHECKED</td> <td>APPROVED</td> </tr> <tr> <td>1</td> <td>2025-09-23</td> <td>S.U.LEE</td> <td>J.H.CHA</td> <td>Y.J.PARK</td> </tr> </table>			REV. NO	DATE	PREPARED	CHECKED	APPROVED	1	2025-09-23	S.U.LEE	J.H.CHA	Y.J.PARK
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1	2025-09-23	S.U.LEE	J.H.CHA	Y.J.PARK											
<NOTE> 1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE GUARANTEED WITH TOLERANCE OF APPLICATION STANDARD. 2. EXCEPT FOR STATEMENTS SPECIFIED ON THIS SHEET, ANYTHING ELSE SHALL BE IN ACCORDANCE WITH MAKER STANDARD 3. THE TEMPERATURE MEASURED AT BEARING HOUSING DOES NOT EXCEED 105°C.															

Data are subject to change without notice.(설계 개선 및 제작 환경에 따라 사전 공지 없이 특성 사양치 변경될 수 있음)

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